

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: January 7, 2005

Inspector: Diana Walden

Location: Norwalk Substation Expansion

Storm/

Rain Event The area received approximately 1.51 inches of precipitation over 1/03/05-1/06/05. Reports from the New Haven area were much less, about 0.22" total.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -A haybale was still in place by the inlet near the Route 7 ramp and the silt fence had been toed in and reinforced with stone. 1/07/05 - The yard is still muddy following a few inches of snow. 1/07/05 	<ul style="list-style-type: none"> -The silt fence has been secured with stone. Continue to monitor inlet and surrounding area. 1/07/05 - The earthen swale and surrounding area is still bare soil and should continue to be monitored and may require additional stabilization in the future. 12/30-1/07/05
Foundation construction	<ul style="list-style-type: none"> - Work continues on forming and pouring the footings for the GIS building. Material has been stock piled but is well within the site and is contained by wall 2. 12/22-1/07/05. - Additional excavation and work on structure footings for expanding the 115 kV line is occurring to the south of wall 3 but stockpiles are well within the yard. The 12/30-1/07/05 	<ul style="list-style-type: none"> - None at this time. 1/07/05 - Areas are contained, none at this time. 1/07/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence remains as necessary at the ends of the overflow channel where vegetative has not fully established. 12/16-1/07/05 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance where needed.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	-The overflow channel continues to work well as the water remains free of sediment and further erosion has not occurred in this area. 12/02-1/07/05.	- None at this time. 1/07/05
	- The haybale is still placed at the flared inlet near the Rt 7 ramp, and the silt fence was repaired and reinforced with crushed stone. 1/07/05	- Continue to monitor until stabilized as the surrounding area is still bare soil. Until vegetative cover establishes, the potential for sedimentation in this area remains 1/07/05
	- Concrete washouts remain in the contained pit in the center of the site as appropriate and no washouts observed. 1/07/05	-Any activity creating concrete wash water should continue to be restricted to the pit. 1/07/05
	- Most of the yard remains fairly muddy due to the recent snow. 1/07/05	-Continue to monitor for overall stabilization. In the spring, the situation should be evaluated as additional seeding may be necessary. 1/07/05
Inland Wetland and Watercourse encroachment and mitigation	- Silt fence has been removed from most areas along the wetland/river side of the channel as the area is stabilized. 12/16/04	-None at this time. Continue to monitor. 12/16/04-1/07/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. 11/18/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/18/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not	- None at this time.

Areas of Inspection	Observation	Recommended Action
	anticipated to be necessary.	
Spills and Material Storage	<ul style="list-style-type: none"> - There were no spills reported during the week or observed during inspection. 1/07/05 - No equipment drips were noted during the inspection. 1/07/05 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, construction activities are ongoing on the bridge on Broad Street to the north. 9/10-1/07/05 - The island or bank on which the bridge footing was located is mostly bare of vegetation but has erosion control. 	<ul style="list-style-type: none"> - The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-1/07/05

Next likely scheduled inspection:

Thursday, January 13, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: January 7, 2005

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event The area received approximately 1.51 inches of precipitation over 1/03/05-1/06/05. Reports from the New Haven area were much less, about 0.22" total.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 1/07/05	- None at this time. 1/07/05
Foundation construction	-The major work of placing equipment on the recently constructed slab is ongoing. Large poles were set near each corner of the slab. 1/07/05 - The cable trench closer to the perimeter fence is under excavation and stockpiles have been placed next to it. The sediment has not migrated towards the fence and stockpiles are covered. 1/07/05	- The areas are still contained at this time. From the gradient, it does not appear sedimentation beyond the fence will be an issue but small pockets of pooling water may require reinforcement of the berm here. The recent snow will prevent this work but it could be completed when the snow melts. 1/07/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The site is very muddy at this time following several inches of snow. Most areas remain well contained by the perimeter berm. Some minor areas of pooling water by the perimeter fence adjacent to the trailers may potentially cause a spillover where the berm is not as high. 1/07/05	- Although the gradient of the site would typically drain water from this area, small isolated spots are pooling and could potentially run off site. Some gravel could be placed here to reinforce the berm which is low in this spot. This can be done following snow melt 1/07/05

Areas of Inspection	Observation	Recommended Action
	- There is no silt fence in place at this time, however major stockpiles are covered in plastic following the end of each work day. 9/16-1/07/05	-All stockpiles are well-contained. 1/07/05
	- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. The low spot could be reinforced following snow melt. 1/07/05	- The berm is working well at this time. Consider reinforcing the berm in low spots as activities approach and when snow cover melts. 1/07/05
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-1/07/05	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-1/07/05
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering has resumed during the trench work and the discharge water is being directed to an area contained on site.12/30-1/07/05	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills and Material Storage	- It was reported that a small piece of equipment had developed a minor drip over the week but the machine had	- The contractors should remain vigilant about securing and handling fuel containers.

Areas of Inspection	Observation	Recommended Action
	<p>been repaired since. 1/07/05</p> <p>- No spills or equipment drips were noted during the inspection. 1/07/05</p>	<p>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday, January 13, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

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View of the forms and structures being constructed for the GIS building looking north. The overall site was muddy following a few inches of snow. 1/07/05



View of the forms and structures being constructed for the GIS building looking south. 1/07/05



Excavation continues to the south of wall #3 and footings are being poured for structures for the continued expansion of the existing yard. 1/07/05



The haybale remains at the inlet near the Route 7 ramp. The silt fence was repaired and reinforced with crushed stone. Continue to monitor the surrounding area until stabilized. 1/07/05



Plumtree Substation: View of the excavation and forms of the cable trench closer to the perimeter fence. The stockpile is contained within the site and covered. 1/07/05



Poles have been set at the corners of the concrete slab and equipment construction. The site is very muddy at this time but contained. 1/07/05